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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/521,632
Filing Date	Jan. 20, 2005
First Named Inventor	Laurence, et al.
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	0180.0043

Sheet 2 of 9

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	1	Walhout, A.J.M. and M. Vidal, <i>Protein interaction maps for model organisms</i> . Nat. Rev. Mol. Cell. Biol., 2001. 2(1): p. 55-62.	
	2	Mendelsohn, A.R. and R. Brent, <i>Protein biochemistry - Protein interaction methods - Toward an endgame</i> . Science, 1999. 284(5422): p. 1948-1950.	
	3	Yanagida, M., <i>Functional proteomics; current achievements</i> . J. Chromatogr. B Analyt. Technol. Biomed. Life Sci., 2002. 771(1-2): p. 89-106.	
	4	Chalmers, M.J. and S.J. Gaskell, <i>Advances in mass spectrometry for proteome analysis</i> . Curr. Opin. Biotechnol., 2000. V11(N4): p. 384-390.	
	5	De Angelis, D.A., <i>Why FRET over genomics?</i> Physiol. Genomics, 1999. 1(2): p. 93-99.	
	6	Rigler, R. and E. Elson, <i>Fluorescence correlation spectroscopy: theory and applications</i> . 2001, Berlin ; New York: Springer. xx, 487	
	7	Schwille, P., <i>Fluorescence Correlation Spectroscopy and Its Potential for Intracellular Applications</i> . Cell Biochemistry and Biophysics, 2001. 34: p. 383-408.	
	8	Rarbach, M., et al., <i>Dual-color fluorescence cross-correlation spectroscopy for monitoring the kinetics of enzyme-catalyzed reactions</i> . Methods, 2001. 24(2): p. 104-116.	
	9	Keller, R.A., et al., <i>Single Molecule Fluorescence Analysis in Solution</i> . Appl. Spectrosc., 1996. 50(7): p. A12-A32.	
	10	Fries, J.R., et al., <i>Quantitative identification of different single molecules by selective time-resolved confocal fluorescence spectroscopy</i> . J. Phys. Chem. A., 1998. 102(33): p. 6601-6613.	
	11	Dahan, M., et al., <i>Ratiometric measurement and identification of single diffusing molecules</i> . Chem. Phys. (Netherlands), 1999. 247(1): p. 85-106.	

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	12	Deniz, A.A., et al., <i>Single-pair fluorescence resonance energy transfer on freely diffusing molecules: observation of Förster distance dependence and subpopulations</i> . Proc. Natl. Acad. Sci. U.S.A., 1999. 96(7): p. 3670-5.	
	13	Elson, E.L. and D. Magde, <i>Fluorescence correlation spectroscopy. I. Conceptual Basis and Theory</i> . Biopolymers, 1974. 13(1): p. 1-27.	
	14	Ehrenberg, M. and R. Rigler, <i>Rotational Brownian motion and fluorescence intensity fluctuations</i> . Chem. Phys. (Netherlands), 1974. 4(3): p. 390-401.	
	15	Widengren, J., U. Mets, and R. Rigler, <i>Fluorescence Correlation Spectroscopy of Triplet States in Solution - a Theoretical and Experimental Study</i> . J. Phys. Chem., 1995. 99(36): p. 13368-13379.	
	16	Widengren, J. and R. Rigler, <i>Mechanisms of photobleaching investigated by fluorescence correlation spectroscopy</i> . Bioimaging, 1996. 4(3): p. 149-57.	
	17	Magde, D., E. Elson, and W.W. Webb, <i>Thermodynamic fluctuations in a reacting system: measurement by fluorescence correlation spectroscopy</i> . Phys. Rev. Lett., 1972. 29(11): p. 705-8.	
	18	Magde, D., E.L. Elson, and W.W. Webb, <i>Fluorescence correlation spectroscopy. II. An experimental realization</i> . Biopolymers, 1974. 13(1): p. 29-61.	
	19	Doi, M. and S.F. Edwards, <i>The theory of polymer dynamics</i> . 1986, Oxford Oxfordshire, New York: Clarendon Press, Oxford University Press. xiii, 391.	
	20	Qian, H. and E.L. Elson, <i>On the analysis of high order moments of fluorescence fluctuations</i> . Biophys. J., 1990. 57(2): p. 375-80.	
	21	Qian, H. and E.L. Elson, <i>Distribution of molecular aggregation by analysis of fluctuation moments</i> . Proc. Natl. Acad. Sci. U.S.A., 1990. 87(14): p. 5479-83.	
	22	Palmer, A.G., III and N.L. Thompson, <i>Optical spatial intensity profiles for high order autocorrelation in fluorescence spectroscopy</i> . Appl. Opt., 1989. 28(6): p. 1214-20.	

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	23	Chen, Y., et al., <i>The photon counting histogram in fluorescence fluctuation spectroscopy</i> . Biophys. J., 1999. 77(1): p. 553-67.	
	24	Kask, P., et al., <i>Fluorescence-intensity distribution analysis and its application in biomolecular detection technology</i> . Proc. Natl. Acad. Sci. U.S.A., 1999. 96(24): p. 13755-61.	
	25	Muller, J.D., Y. Chen, and E. Gratton, <i>Resolving heterogeneity on the single molecular level with the photon-counting histogram</i> . Biophys. J., 2000. 78(1): p. 474-486.	
	26	Chen, Y., et al., <i>Probing ligand protein binding equilibria with fluorescence fluctuation spectroscopy</i> . Biophys. J., 2000. 79(2): p. 1074-1084.	
	27	Margeat, E., et al., <i>The human estrogen receptor alpha dimer binds a single SRC-1 coactivator molecule with an affinity dictated by agonist structure</i> . J. Mol. Biol., 2001. 306(3): p. 433-42.	
	28	Van Rompaye, E., et al., <i>Fluorescence fluctuation analysis for the study of interactions between oligonucleotides and polycationic polymers</i> . Biol. Chem., 2001. 382(3): p. 379-86.	
	29	Scheel, A.A., et al., <i>Receptor-ligand interactions studied with homogeneous fluorescence-based assays suitable for miniaturized screening</i> . J. Biomol. Screen., 2001. 6(1): p. 11-18.	
	30	Rudiger, M., et al., <i>Single-molecule detection technologies in miniaturized high throughput screening: Binding assays for G protein-coupled receptors using fluorescence intensity distribution analysis and fluorescence anisotropy</i> . Journal of Biomolecular Screening, 2001. V6(N1): p. 29-37.	
	31	Chen, Y., et al., <i>Molecular brightness characterization of EGFP in vivo by fluorescence fluctuation spectroscopy</i> . Biophys. J., 2002. 82(1): p. 133-144.	
	32	Palo, K., et al., <i>Fluorescence intensity multiple distributions analysis: concurrent determination of diffusion times and molecular brightness</i> . Biophys. J., 2000. 79(6): p. 2858-66.	
	33	Schwillie, P., F.J. Meyer-Almes, and R. Rigler, <i>Dual-color fluorescence cross-correlation spectroscopy for multicomponent diffusional analysis in solution [see comments]</i> . Biophys. J., 1997. 72(4): p. 1878-86.	

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	34	Heinze, K.G., A. Koltermann, and P. Schwille, <i>Simultaneous two-photon excitation of distinct labels for dual-color fluorescence crosscorrelation analysis</i> . Proc. Natl. Acad. Sci. U.S.A., 2000. 97(19): p. 10377-82.	
	35	Schwille, P. and K.G. Heinze, <i>Two-photon fluorescence cross-correlation spectroscopy</i> . Chemphyschem, 2001. 2(5): p. 269-272.	
	36	Deniz, A.A., et al., <i>Ratiometric single-molecule studies of freely diffusing biomolecules</i> . Annu. Rev. Phys. Chem., 2001. 52: p. 233-253.	
	37	Tellinghuisen, J., et al., <i>Analysis of Fluorescence Lifetime Data for Single Rhodamine Molecules in Flowing Sample Streams</i> . Anal. Chem., 1994. 66(1): p. 64-72.	
	38	Eggeling, C., et al., <i>Monitoring conformational dynamics of a single molecule by selective fluorescence spectroscopy</i> . Proc. Natl. Acad. Sci. U.S.A., 1998. 95(4): p. 1556-61.	
	39	Kask, P., et al., <i>Two-dimensional fluorescence intensity distribution analysis: theory and applications</i> . Biophys. J., 2000. 78(4): p. 1703-13.	
	40	Reynaud, S., <i>Resonance fluorescence: the dressed atom approach</i> . Ann. Phys., 1983. 8(4): p. 315-70.	
	41	Edman, L. and R. Rigler, <i>Memory landscapes of single-enzyme molecules</i> . Proc. Natl. Acad. Sci. U.S.A., 2000. 97(15): p. 8266-71.	
	42	Schatzel, K., <i>New concepts in correlator design</i> . Inst. Phys. Conf. Ser. No. 77: session 4, 1985. No. 77: session 4: p. 175-185.	
	43	Schatzel, K. and R. Peters, <i>Noise on Multiple-Tau Photon Correlation Data</i> . SPIE vol. 1430 Photon Correlation Spectroscopy: Multicomponent Systems, 1991. 1430: p. 109-115.	
	44	Press, W.H., S. A. Teukolsky, W. T. Vetterling, and B. P. Flannery, <i>Numerical recipes in C: the art of scientific computing</i> . 2nd ed. 1992, Cambridge, U.K.: Cambridge University Press. xxvi, 994.	

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	45	Rigler, R., et al. <i>Fluorescence Correlation Spectroscopy With High Count Rate and Low Background - Analysis of Translational Diffusion</i> . Eur. Biophys. J., 1993. 22(3): p. 169-175.	
	46	Mets, U., <i>Antibunching and Rotational Diffusion in FCS, in Fluorescence Correlation Spectroscopy</i> , R. Rigler, and E.S. Elson, Editor. 2001, Springer. p. 346-359.	
	47	Creighton, T.E., <i>Proteins : structures and molecular principles</i> . 1983, New York: W.H. Freeman. xi, pp. 338-340, 344-346.	
	48	Enderlein, J., David L. Robbins, W. Patrick Ambrose, Peter M. Goodwin, and Richard A. Keller, <i>Statistics of Single-Molecule Detection</i> . J. Phys. Chem. B, 1997. 101: p. 3626-3632.	
	49	Malit, S., U. Haupts, and W.W. Webb, <i>Fluorescence correlation spectroscopy: diagnostics for sparse molecules</i> . Proc. Natl. Acad. Sci. U.S.A., 1997. 94(22): p. 11753-7.	
	50	Kubo, R.o., M. Toda, and N. Hashitsume, <i>Statistical physics II : nonequilibrium statistical mechanics</i> . 2nd ed. Springer series in solid-state sciences ; 31. 1991, Berlin ; New York: Springer. 279.	
	51	Enderlein, J., <i>Path Integral Approach to Fluorescence Correlation Experiments</i> . Phys. Lett. A, 1996. 221(6): p. 427-433.	
	52	Gardiner, C.W., <i>Handbook of stochastic methods for physics, chemistry, and the natural sciences</i> . 2nd ed. 1985, Berlin ; New York: Springer-Verlag. xix, 442.	
	53	Mandel, L., <i>Fluctuations of Photon Beams and their Correlation</i> . Proc. Phys. Soc., 1958. 72: p. 1037-1048.	
	54	Mandel, L., <i>Fluctuations of Photon Beams: The Distribution of the Photo-Electrons</i> . Proc. Phys. Soc., 1959. 74(3): p. 233-243.	
	55	Sambrook, J. and D.W. Russell, <i>Molecular cloning : a laboratory manual</i> . 3rd ed. 2001, Cold Spring Harbor, N.Y.: Cold Spring Harbor Laboratory Press. 3 v.	

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	56	Mukhopadhyay, J., et al., <i>Translocation of sigma(70) with RNA polymerase during transcription: fluorescence resonance energy transfer assay for movement relative to DNA</i> . Cell, 2001. 106(4): p. 453-63.	
	57	Murakami, K.S., et al., <i>Structural basis of transcription initiation: an RNA polymerase holoenzyme-DNA complex</i> . Science, 2002. 296(5571): p. 1285-90.	
	58	Wohland, T., R. Rigler, and H. Vogel, <i>The standard deviation in fluorescence correlation spectroscopy</i> . Biophys. J., 2001. 80(6): p. 2987-99.	
	59	Wohland, T., R. Rigler, and H. Vogel, <i>The standard deviation in fluorescence correlation spectroscopy</i> . Biophys. J., 2001. 80(6): p. 2987-99.	
	60	Richards, B. and E. Wolf, <i>Electromagnetic diffraction in optical systems. II. Structure of the image field in an aplanatic system</i> . Proc. Phys. Soc. A, 1959. 253: p. 358-379.	
	61	Wolf, E., <i>Electromagnetic diffraction in optical systems. I. An integral representation of the image field</i> . Proc. Phys. Soc. A, 1959. 253: p. 349-357.	
	62	Cantor, C.R. and P.R. Schimmel, <i>Biophysical chemistry</i> . 1980, San Francisco: W. H. Freeman. v. <1>.	
	63	Lide, D.R., <i>CRC handbook of chemistry and physics</i> . 3rd electronic ed ed. 2001, Boca Raton, FL: CRC Press.	
	64	Efron, B. and R. Tibshirani, <i>An introduction to the bootstrap</i> . Monographs on statistics and applied probability : 57. 1993, New York: Chapman & Hall. xvi, 436.	
	65	Eigen, M. and R. Rigler, <i>Sorting Single Molecules - Application to Diagnostics and Evolutionary Biotechnology</i> . Proc. Natl. Acad. Sci. U.S.A., 1994. 91(13): p. 5740-5747.	
	66	Laurence, T.A., <i>Photon-counting single-molecule spectroscopy for studying conformational dynamics and macromolecular interactions</i> , in <i>Physics</i> . 2002, University of California: Berkeley, CA. p. 182.	

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	68	Hess, S.T. and W.W. Webb, <i>Focal volume optics and experimental artifacts in confocal fluorescence correlation spectroscopy</i> . Biophys. J., 2002. 83(4): p. 2300-17.	
	69	Deniz, A.A., et al., <i>Single-molecule protein folding: diffusion fluorescence resonance energy transfer studies of the denaturation of chymotrypsin inhibitor 2</i> . Proc. Natl. Acad. Sci. U.S.A., 2000. 97(10): p. 5179-84.	
	70	Dittrich, P.S. and P. Schwille, <i>Photobleaching and stabilization of fluorophores used for single-molecule analysis with one- and two-photon excitation</i> . Applied Physics B-Lasers and Optics, 2001. 73(8): p. 829-837.	
	71	Hebert, T.E. and M. Bouvier, <i>Structural and functional aspects of G protein-coupled receptor oligomerization</i> . Biochem. Cell. Biol., 1998. 76(1): p. 1-11.	
	72	Hebert, T.E. and M. Bouvier, <i>Structural and functional aspects of G protein-coupled receptor oligomerization</i> . Biochem. Cell. Biol., 1998. 76(1): p. 1-11.	
	73	Bieschke, J., et al., <i>Ultrasensitive detection of pathological prion protein aggregates by dual-color scanning for intensely fluorescent targets</i> . Proc. Natl. Acad. Sci. U.S.A., 2000. 97(10): p. 5468-73.	
	74	Cohen, F.E., <i>Protein misfolding and prion diseases</i> . J. Mol. Biol., 1999. 293(2): p. 313-20.	
	75	Prusiner, S.B., <i>Prions</i> . Proc. Natl. Acad. Sci. U.S.A., 1998. 95(23): p. 13363-83.	
	76	Tjernberg, L.O., et al., <i>Amyloid beta-peptide polymerization studied using fluorescence correlation spectroscopy</i> . Chem. Biol., 1999. 6(1): p. 53-62.	
	77	Pitschke, M., et al., <i>Detection of single amyloid beta-protein aggregates in the cerebrospinal fluid of Alzheimer's patients by fluorescence correlation spectroscopy</i> . Nat. Med., 1998. 4(7): p. 832-4.	

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